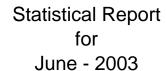
Bureau of Land Management



Amarillo Field Office Helium Operations







Distribution:

Fluid Minerals Group Manager, Washington Office NMSO, New Mexico State Director NMSO, Associate State Director NMSO, Petroleum Engineer Field Manager, Amarillo Field Office Assistant Field Managers (3)

Team Leaders

- -Federal Leased Lands
- -Resources Evaluation & Gas Analysis
- -Natural Gas Engineering

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Amarillo, Texas

Issued: October 21, 2003

*Tables include COMPANY PROPRIETARY INFORMATION (shaded) and is for internal use only.

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Approved for distribution: Nelson R. Bullard Date: 10/21/2003

Table 1 - Sullillary	oi i ieiiu	III Opei	alions						Julie	= - 2003
In Kind Sales	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind	Charges E	Billed (\$)**
Total month	32,084	1,705	58	7,172	9,473	3,936	54,428	53,586		\$2,813,265
Total FYTD	93,865	(4,682)	58	20,380	25,187	20,535	155,344	152,942		\$7,985,806
Total CYTD	67,057	3,037	58	12,173	21,015	9,264	112,604	110,862		\$5,819,010
In Kind Transfers				· · · · · · · · · · · · · · · · · · ·			Month	FYTD	CYTD	Cumulative
Transferred							13.299	181,110	99,356	1,106,442
Volume outstanding							53,586	101,110	55,555	1,100,112
				Aa.ad	Values	Outet		Color	Charres):II== (P**
Open Market Sales Total month				Award	Volume 0	Outst	anding (410,000)	Sales 410,000	Charges E	\$21,525,000
Total FYTD					1,640,000		410,000	1,230,000		\$64,575,000
Total CYTD					1,640,000	-	410,000	1,230,000		\$64,575,000
					1,040,000	I				
Open Market Transfers							Month		CYTD	Cumulative
Transferred							12,500	820,000	820,000	820,000
Volume outstanding							410,000			
Natural Gas/Liquids Sales	;	Natural	Gas (Mcf)	NGL	s (gal)	Deca	therms	\$/unit	Charges E	(· /
Total month			185,500		0		171,541	\$5.4532		\$931,307
Total FYTD			502,510		0		514,880	\$5.2630		\$2,697,208
Total CYTD			502,510		0		514,880	\$5.2630		\$2,697,208
					5)(75		5)(5)	5.75	0) (TD	
	11.5	Month		Month	FYTD	Month	FYTD	FYTD	CYTD	Cumulative
Durahasad Halium	Helium	Helium			Purity		w 50%	С	ontained Heliu	ım
Purchased Helium	Mixture	Percent	Helium	He	lium	не	lium			00.170.115
Total purchased			05.700					4 004 440	040.050	32,176,145
Helium transferred			25,799		-			1,001,110	919,356	3,911,782 28,264,363
Purchased helium in storage										20,204,303
Private Plant Activity										
Accepted in storage system	86,211	62.8%	54,132	1,264	15,452	(575)	(2,784)	469,047	317,915	7,627,223
Redelivered from storage system	(257,027)	68.2%	(175,317)	0	0	18	140	(1,457,996)	(963,143)	(11,114,051)
Total apparent crude produced^	141,055	67.5%	95,250					1,263,785	783,119	7,783,627
Total apparent crude refined^	(311,871)	69.4%	(216,435)					(1,969,994)	(1,257,639)	(11,270,455)
	-									
			Metered Gas				rred Gas	Stored	Charge	
	Gross Gas	Helium	E) (T.	Helium			lium	Helium	(\$)	
Storage Contract Activity	Mo		FYTD	CYTD	Cumulative	Month	Cumulative	EOM	Month	FYTD
Crude Acquired	85,868	53,557	466,263	315,766	24,999,484	98,219	26,500,796			0. 5
Crude Disposed	256,987	175,299	1,457,856	963,024	22,939,540	72,420	25,216,767			Storage Fees
Grade-A Rdlvrd Net/Balance	0	0	0	0 (0.47.050)	1,478,718	0 05 700	0	4 005 055	\$84,398	RMF Fees
Net/balance	(171,119)	(121,742)	(991,593)	(647,258)	581,226	25,799	1,284,029	1,865,255	\$317,766	\$2,084,857
Bush Dome Reservoir Ope	erations		Moi	nth	Fisca	l Year	Since	Start of	Sin	CE
Daoi: Domo Roso. von Op	o. a		14101		1 1000	. roui	Conservation		Field Dis	
Conservation gases from	all source	s	Gross	Net	Gross	Net	Gross	Net	Gross	Net
In underground storage, beg. o		-	41,947,361	30,221,235	43,146,344	31,097,065	490,620	490,620		
Net Activity	,» <u>~</u>		(171,035)	(123,396)	(1,370,018)		41,285,706	29,607,219		
Total in underground storage			41,776,326	30,097,839	41,776,326	30,097,839	41,776,326	30,097,839	41,776,326	30,097,839
Native Gas			, .,	, ,	, .,	, ,	, .,	, ,		, . ,
Total in place, beg. of period			207,802,741		208,721,080		265,724,755		318,727,000	
Net Activity			(313,427)		(1,231,766)		(58,235,441)		(111,237,686)	
THE ACTIVITY			(313,427)		(1,231,700)		(30,233,441)		(111,237,000)	

Helium Resources Evaluation			Month		FYTD	
Revenue Collected from Federal Lease Holds			\$557,486		\$4,171,683	
Helium Sample Collection Report for month	Submitted	0	Received	0	Analyzed	307

207,489,314

249,750,102

249,265,640

(484,462)

Helium Enrichment Unit Operations		Month			FYTD		Cumulative		
	Helium-Gas	Helium		Helium-Gas	Helium		Helium-Gas	Helium	
	Mixture	Percent	Helium	Mixture	Percent	Helium	Mixture	Percent	Helium
Gas Processed									
Plant feed	358,732	13.9%	49,823	1,258,608	10.5%	131,654	1,258,608	10.5%	131,654
Helium product	60,785	75.9%	46,121	140,446	76.4%	107,288	140,446	76.4%	107,288
Residue natural gas	211,221	0.0%	0	711,174	0.0%	0	711,174	0.0%	0
Vent, flare & plant losses	113,171	3.3%	3,702	648,611	3.8%	24,366	648,611	3.8%	24,366
Helium recovery efficiency			92.6%			81.5%			81.5%

207,489,314

251,867,424

249,265,640

(2,601,784)

207,489,314

266,215,375

(16,949,735)

249,265,640

Total in place, end of month

Total gases in place, beg. of period

Net Activity
Total gases in place, end of month

Native Gas plus Conservation Gases

207,489,314

318,727,000

(69,461,360)

249,265,640

^{*} Volumes in Mcf at 14.7 psia & 70°F; all other volumes in 14.65 psia & 60°F

[^] Other sources of helium are accessed but data are not available

	NASA*	Navy*	Army*	Air Force*	DOE*	Other Fed*	Subtotal*	In Kind+	Charges Billed (\$)**
In Kind Helium	<u> </u>								
Aeriform, Contract		101							(billed quarterly)
Month									
FYTD									
AGA Gas, Inc., Con	tract no. IN	C98-0102							
Month FYTD									
AirGas, Inc., Contra	act no. INC9	8-0103							
Month									
FYTD									
Air Liquide S.A., Co	ontract no. Il	NC98-0104							
Month FYTD									
Air Products, L.P.,	Contract no	. INC98-010	5						7
Month			-						
FYTD									
BOC Gases, Contra	act no. INC9	8-0106				•	$\overline{}$	\wedge	
Month FYTD									
Corp Brothers, Inc.	Contract n	n INC98-01	07						
Month	, John act II	J. 111030-01							
FYTD					\Diamond				
FIBA Technologies	, Inc., Contr	act no. INC9	8-0108		(
Month									
FYTD General Air Service	e Cumply C	`a Cantrasi	t no INICO	9.0100	\prec \leftarrow				
Month	a Supply C	o., Contrac	t no. ince	6-0109	-				
FYTD									
Jack B. Kelley Co.,	Contract no	. INC98-011	0						
Month									
FYTD)	INC	200 0444		/				
Portland Welding S Month	Supply, Cont	ract no. INC	98-0111						
FYTD									
Praxair, Inc., Contra	act no. INC9	8-0112	\neg) 					
Month									
FYTD		/(
United States Weld	ling, Inc., Co	ontract	NC98-0113	3					
Month FYTD									
Tri-Gas, Inc., Contr	as 10. INC	<i>β</i> -0114	<u>*</u>						
Month									
FYTD									
Messer Griesheim	Ind., tra	ct no. INC00)-0115						
Month FYTD									
5									
Total month	32,084	1,705	58	7,172	9,473	3,936	54,428	53,586	\$2,813,265
Total FYTD	93,865	(4,682)	58	20,380	25,187	20,535		152,942	\$7,985,806
Total CYTD Cumulative	67,057	3,037	58 50		21,015			110,862	\$5,819,010 \$57,703,840
	678,387	16,413	58	162,593	177,548	143,270	1,178,270	1,159,953	\$57,793,849
In Kind Transf	ers						Month	FYTD	CYTD Cumulative
Transferred							13,299 53,586	181,110	99,356 1,106,442
Volume outstanding	J					<u> </u>	53,586		

^{*} Volumes in Mcf at 14.7 psia & 70°F

⁺ Volumes in Mcf at 14.65 psia & 60°F

820,000

Helium & Natural Gas Sales

Award Volume*	Outstanding*	Sales*	Charges	Billed (\$)**
				(billed quarterly
0	(12,500)	12,500	\$656,250	
50,000	12,500	37,500	\$1,968,750	
50,000		37,500	\$1,968,750	
0	(170,100)	170,100	\$8,930,250	
680,400	170,100	510,300	\$26,790,750	
680,400		510,300	\$26,790,750	
0	(208,500)	208,500	\$10,946,250	
834,000	208,500	625,500	\$32,838,750	
834,000		625,500	\$32,838,750	
0	(18,900)	18,900	\$992,250	
75,600	18,900	56,700	\$2,976,750	
75,600		56,700	\$2,976,750	
	Ī			
0		410,000		\$21,525,000
1,640,000	410,000	1,230,000		\$64,575,000
1,640,000		1,230,000		\$64,575,000
1,640,000		1,230,000		\$64,575,000
Г	Month	FYTD	CYTD	Cumulative
	0 50,000 50,000 0 680,400 680,400 0 834,000 834,000 75,600 75,600 75,600	0 (12,500) 50,000 12,500 50,000 12,500 0 (170,100) 680,400 170,100 680,400 208,500) 834,000 208,500 834,000 18,900 75,600 18,900 75,600 18,900 1,640,000 410,000 1,640,000	0 (12,500) 12,500 37,500 50,000 12,500 37,500 37,500 37,500 37,500 37,500 37,500 37,500 37,500 37,500 37,500 37,500 37,500 170,100 510,300 680,400 510,300 510,300 510,300 680,400 208,500 625,500 834,000 208,500 625,500 625,500 75,600 18,900 56,700 75,600 1,640,000 1,640,000 1,640,000 1,640,000 1,640,000 1,640,000 1,640,000 1,640,000 1,640,000 1,230,000 1,230,000 1,230,000 1,230,000 1,230,000 1,230,000 1,230,000	0 (12,500) 12,500 \$656,250 50,000 12,500 37,500 \$1,968,750 50,000 170,100 170,100 \$8,930,250 680,400 170,100 510,300 \$26,790,750 680,400 510,300 \$26,790,750 0 (208,500) 208,500 \$10,946,250 834,000 208,500 625,500 \$32,838,750 834,000 18,900 18,900 \$992,250 75,600 18,900 56,700 \$2,976,750 75,600 18,900 410,000 1,640,000 1,640,000 1,230,000 1,640,000 1,640,000 1,230,000 1,640,000 1,640,000 1,230,000 1,640,000 1,230,000

12,500

410,000

820,000

820,000

Transferred

Volume outstanding

	Natural Gas (Mcf)***	NGLs (gal)	Decatherms	\$/unit	Charges Bi	lled (\$)**
Natural Gas/	Liquids Sales					
El Paso Natural G	as	Provides Firm/Intern	ruptible natural gas	transportation servic	es	(billed monthly)
Month	185,779		207,456	(\$0.1324)	(\$27,460)	
FYTD	456,558		502,950	(\$0.1638)	(\$82,380)	
Cumulative	456,558		502,950	(\$0.1638)	(\$82,380)	
Minerals Manage	ment Service	Provides natural ga	s marketing services	s under a Cooperativ	e Agreement	
Month				\$0.0000	\$0	
FYTD				\$0.0000	\$0	
Cumulative				\$0.0000	\$0	
Cenergy Marketin	ng					
Month	185,500	0	171,541	\$5.613252	\$958,767	
FYTD	502,510	0	514,880	\$5.423020	\$2,779,588	
Cumulative	502,510	0	514,880	\$5.423020	\$2,779,588	
Total month	185,500	0	171,541	\$5.453173		\$931,307
Total FYTD	502,510	0	514,880	\$5.263020		\$2,697,208
Total CYTD	502,510	0	514,880	\$5.263020		\$2,697,208
Cumulative	502,510	0	514,880	\$5.263020		\$2,697,208

^{***} Volumes in Mcf at 14.73 psia & 60°F

^{*} Volumes in Mcf at 14.65 psia & 60°F

All Volumes in Mcf at 14.7 psia & 70°F

		Month*	FYTD*
Revenue Collected From Federal Leaseholds	<u> </u>		
Fee Sales & Royalties		\$553,898	\$4,138,319
Natural Gas Royalties (1)		\$3,235	\$27,653
Natural Gas Rentals		\$0	\$0
Other		\$5,259	\$51,245
Revenue Collected from Federal Lease Holds		\$557,486	\$4,171,683
*Totals do not sum			
		Month	FYTD
Helium Analysis and Evaulation	_		
Number of Sample Request Letters Sent		0	80
Number of Samples Received		0	16
Number of Samples Analyzed		2	16
Total Number of Samples Analyzed For Resources Division		45	186
Total Number of Samples Analyzed (2)		307	1,926
		1	
U. S. Helium Production			CYTD
Domestic		_	
1997 Helium Sold			3,853,991
1998 Helium Sold			4,029,755
1999 Helium Sold			4,203,019
2000 Helium Sold			4,564,589
2001 Helium Sold			4,756,719
2002 Helium Sold (projected)			4,800,000
Estimated Helium Resources (as of 01/01/2001)			323,000,000
	Month	FYTD	CYTD
II C Holium Evporto (2)	Month		_
U.S. Helium Exports (3)	123,373	985,401	642,825

- (1) Includes drip gas sales & other miscellaneous gas sales.
- (2) Includes pipeline, field survey, and other requested analyses.
- (3) Data from Department of Commerce Bureau of the Census statistics as of: May 2003

All Volumes in Mcf at 14.65 psia & 60°F

All Volumes in Mcf at 1	4.05 psia & C)U F			1					
		Month		Month	FYTD	Month	FYTD	FYTD	CYTD	Cumulative
	Helium-Gas	Helium		Low	Purity	Below	50%	Co	ntained Hel	ium
	Mixture	Percent	Helium	Hel	lium	Heli	um		illalileu i lei	iuiii
Purchased										
Cities Service Helex - Jayhawk										6,403,147
National Helium Corp Liberal										11,561,830
Nothern Helex Co Bushton										4,475,921
Phillips Petroleum - Dumas										5,111,036
Phillips Petroleum - Sherman										4,624,211
Total purchased										32,176,145
	1					-				
Purchased helium produced/trans	ferred		25,799	Ī				1,001,110	919,356	3,911,782
Balance of purchased helium in st								u .		28,264,363
Bureau Plants	· ·									<u></u>
Delivery/Handling Credit	0		0					0		13,205,259
Withdrawal	0		0					5		7,540,255
Private Plants Helium accepted under terminated Helium redelivered under terminated		,								16,453,073 13,007,062
Pioneer - Fain*										-,,
GPM - Dumas*									4	
Crescendo - Sunray*									_ \\	\
Air Products - Guymon*										\
GPM - Sherhan*						 			Z\/1	,
GPM to APG+									(
Total GPM - Sherhan							^			
Keyes Helium - Sturgis* ^								J//\-	>>	
Keyes Helium - Sturgis* ^							4			
Total Keyes Helium - Sturgis* ^										
Pioneer - Satanta*							· · · · · · ·	>		
Williams - Baker*					·					
National Helium - Liberal*						1//-	//			
National to APL+					(
Total National Helium - Liberal										
Air Products - Liberal*					-///	}				
Praxair - Jayhawk* ^				·/ /))	 		l		
Praxair - Jayhawk* ^										
Total Praxair - Jayhawk* ^			$\neg ($							
Amoco to Praxair+			<u> </u>	<i>} }</i>	->	 				
CIG - Lakin*										
BOC Gases - Otis*										
KN Processing - Bushton*		/				 				
KNP to Praxair+										
Total KN Processing - Bushton										
Praxair - Bushton*		~				 				
a.a. Duomon										

* Denotes CUSTODY TRANSFER activity in to or out of the crude helium pipeline system

+ Denotes activity between private plants that does not enter the crude helium pipeline system

62.8%

67.5%

69.4%

54,132

95,250

(216,435)

68.2% (175,317)

^ Other sources of helium are accessed but data are not available

Accepted in storage system

Total apparent crude refined^

Redelivered from storage system Total apparent crude produced^

Acquisition & Storage Summary - Contained Helium

86,211

(257,027)

141,055

(311,871)

	Month	FYTD	Cumulative
Total acquisition	54,132	469,047	69,461,700
Total disposition	175,317	1,458,001	40,591,440
Total stored in conservation system	(121,185)	(988,954)	28,870,260

1,264

15,452

(575)

18

(2,784

140

469,047

(1,457,996)

1,263,785

(1,969,994)

317,915

783,119

(963,143) (11,114,051)

(1,257,639) (11,270,455

7,627,223

7,783,627

Helium in pipeline system plus apparent losses	(1,227,579)
Helium in underground storage	30,097,839

All volumes	S III WICI at 1	4.00 psia c					- ,	10	- C	01	Dill. 1
	Cross Os.	Halium 0/ I		ed Gas	Halling			erred Gas	Stored	Charg	es Billed
	Gross Gas		Helium	EVTD	Helium	Cumulativa		elium	Helium		\$)**
Total All Contra	L	Month		FYTD	CYTD	Cumulative	Month	Cumulative	EOM	Month	FYTD
Crude Acquired	85,868	1	53,557	466,263	315,766	24,999,484	98,219	26,500,796			1
Crude Disposed	256,987	1	175,299	1,457,856	963,024	22,939,540	72,420	25,216,767		\$233,369	Storage Fees
Grade-A Rdlvrd	230,987	'	0	0 0	905,024	1,478,718	12,420	25,210,707		\$84,398	RMF Fees
Net/Balance	(171,119)		(121,742)	(991,593)	(647,258)		25,799	1,284,029	1,865,255	\$317,766	\$2,084,857
Total Prior Con		MINATED)	(121,112)	(001,000)	(011,200)	001,220	20,100	1,201,020	1,000,200	φοιτ,του	Ψ2,001,001
Crude Acquired	i	,	ſ	0	0	17,406,129	0	18,196,898			
Crude Disposed				0	0	11,830,863	0	19,148,768			
Grade-A Rdlvrd				0	0	1,478,718					
Number of trailers				0	0	9,834			0		
BOC Gases, Co	ntract no. 19	995-3249						•			
Crude Acquired											
Crude Disposed										r	
Net/Balance		005 0054									
Praxair, Inc., Co	ontract no. 1	995-3251				months - pro	jected depl	etion			\rightarrow
Crude Acquired Crude Disposed											
Net/Balance											\geq
Air Products, L.	P., Contract	no. 1995-3	256								
Crude Acquired	i i, contract	110. 1000 0	1	_						+	$\overline{}$
Crude Disposed											
Net/Balance								ĺ	$7 \nearrow $		
Oneok Field Se	rvices, Cont	ract no. 199	95-3258					<u> </u>		>	<u></u>
Crude Acquired											
Crude Disposed								$\langle \rangle$			
Net/Balance											
ExxonMobil Ga	s Marketing	Co., Contra	act no. 199	5-3280							
Crude Acquired											
Crude Disposed Net/Balance						\Diamond					
Pioneer, Contra	ot no. 1005	2206		_		months -					
Crude Acquired	10. 1995-	3200				months -	iecte	√on			
Crude Disposed											
Net/Balance						()		İ		Ī	
Keyes Helium C	Co., Contract	t no. 1995-3	287			mo s - pro	jected depl	etion			<u> </u>
Crude Acquired											
Crude Disposed				\sim)					
Net/Balance											
Messer Grieshe	im Ind., Con	tract no. 19	998-3283								
Crude Acquired			J								
Crude Disposed Net/Balance			1							ı	
Linde Gas AG,	Contract no	2004 2202	-	\longrightarrow							
Crude Acquired	Contract no.	2001-3262									
Crude Disposed		\sim									
Net/Balance										ī	
Mitsui & Co. (U.	.S.A.), J ., C	ract no	2-328	9							
Crude Acquired	1 // 1,) uot iio	. 2 5 52 5								
Crude Disposed											
Net/Balance											
Air Liquide S.A.	., Cont 🐧 n	o. 2003-328	34								
Crude Acquired		<u> </u>									
Crude Disposed											
Net/Balance											
Government He	elium										
Crude Acquired							0	32,176,145			
Crude Disposed:	In Kind Sales						13,299				
N-4/D-1	Open Market/	Reserve Sell	down				12,500	3,911,782			
Net/Balance									28,264,363		

Table 5 - Pipeline & Cliffside Field Operations

All Volumes in Mcf at 14.65 psia & 60°F

Native Gas						Since S	Start of S		Since	
Conservation Pipeline Region(p) Station inventory (1) Station Statio		Mo	nth	Fiscal	Year	Conservation	n Program	Field D	iscovery	
Beginning of period inventory (1) 38.402 27.181 48.9368 34.255 0 0 0		Gross	Net	Gross	Net	Gross	Net	Gross	Net	
Measured from pipeline (2)	Conservation Pipeline									
Measured from pipeline (3)	Beginning of period inventory (1)	39,402	27,181	48,936	34,255	0	0]		
Measured into Bush Dome 4 2,206 1,654 3,423 2,525 6,357,077 46,237,577 78,757 78,757 78,757 78,757 79,957 78,758 78,757 78,	Measured to pipeline (2)	267,877	181,549	2,151,510	1,471,477	110,142,305	78,670,001			
Measured into Bush Dome 4 2,206 1,654 3,423 2,525 6,357,077 46,237,577 78,757 78,757 78,757 78,757 79,957 78,758 78,757 78,	Measured from pipeline (3)	257,027	175,317	2,154,009	1,458,001	44,485,508				
End of period inventory Life gain or (1069a) Life gain or (1069b) Life gain or (1069b) Life gain or (1069c) Life g	Measured into Bush Dome (4)	2,206	1,654	3,423	2,525	64,357,007	46,237,537			
Line gain or floss) 1,286,839 1,286,83	Calculated inventory (1+2-3-4)	48,046	31,759	43,014	45,206	1,299,790	735,738			
Percent gain (loss) of total measured -0.928% -0.672% 0.003% -0.574% -0.574% -0.461%	End of period inventory	43,154	29,351	43,154	29,351	43,154	29,351			
Bush Dome Reservoir Operations Conservation gases from all sources In underground storage, beg, of period 41,947,361 30,221,235 43,146,344 31,097,065 490,620 490,620 40,620 64,842,090 646,	Line gain or (loss)	(4,893)	(2,408)	140	(15,855)	(1,256,636)	(706,387)			
Conservation gases from all sources 14,947,361 30,221,235 43,146,344 31,097,085 490,820 490,820 46,243,190 64,600,766 46,824,090 7783, 94,322,193,094 46,249,900,766 46,824,090 7783, 94,322,193,094 6,673,120 23,230,589 16,790,400 701,000 7	Percent gain (loss) of total measured	-0.928%	-0.672%	0.003%	-0.541%	-0.574%	-0.451%			
In underground storage, beg, of period 41,947,361 30,221,235 43,146,344 31,997,055 490,620 0 0 46,842,090 0 48,842,090 0 48,842,090 0 46,842,090	Bush Dome Reservoir Ope	rations								
In underground storage, beg, of period 41,947,361 30,221,235 43,146,344 31,997,055 490,620 0 0 46,842,090 0 48,842,090 0 48,842,090 0 46,842,090	Conservation gases from all source	es								
Injected during period to date (2,206) (1,654) (1,684) (30,221,235	43,146,344	31,097,065	490,620	490,620	0	0	
Withdrawn during period to date 168,828 121,742 0,139,029 998,443 23,113,09 16,673,120 22,230,589 16,790,400 16,000	Injected during period to date					64,352,866	46,234,190	64,960,766	46,842,090	
Heltum from Exell-Sonory		168,828	121,742	1,369,029	998,443	23,113,309	16,673,120	23,230,589	16,790,400	
Total in underground storage			-							
Total in place, beg, of period Recoverable in place, beg of period 198,751,741 198,751,741 199,670,080 256,673,755 309,676,000 Production during period to date 313,427 1,231,766 58,235,441 111,237,686 701al in place, end of month 207,489,314 207,489,314 207,489,314 207,489,314 207,489,314 198,438,314 198,		41,776,326	30,097,839	41,776,326	30,097,839		· ·	=	30,097,839	
Total in place, beg, of period Recoverable in place, beg of period 198,751,741 198,751,741 199,670,080 256,673,755 309,676,000 Production during period to date 313,427 1,231,766 58,235,441 111,237,686 701al in place, end of month 207,489,314 207,489,314 207,489,314 207,489,314 207,489,314 198,438,314 198,	Native Gas	<u> </u>				<u> </u>				
Recoverable in place, beg, of period 198,751,741 199,670,080 256,673,755 309,676,000 Production during period to date 190,7489,314 207,489,314 207,489,314 207,489,314 207,489,314 207,489,314 207,489,314 198,438,3	-	207,802,741	•	208,721,080		265,724,755		318,727,000	•	
Production during period to date 313,427 1,231,766 88,235,441 207,489,314 207,489,314 207,489,314 207,489,314 207,489,314 207,489,314 207,489,314 207,489,314 207,489,314 198,438,314	• •									
Recoverable in place, end of month 198,438,314 198,4		313,427		1,231,766		58,235,441		111,237,686		
Native Gas plus Conservation Gases 249,750,102 251,867,424 266,215,375 318,727,000 1701al gases in place, end of month 249,265,640 249,265,6	Total in place, end of month	207,489,314		207,489,314		207,489,314		207,489,314		
Total gases in place, beg. of period 249.756.102 251.867.424 29.265.640 249.26		198,438,314		198,438,314		198,438,314		198,438,314		
Total gases in place, beg. of period 249.756.102 251.867.424 29.265.640 249.26	Native Gas plus Conservation Gas	ses								
Total gases in place, end of month Change during period (484,462) (2,601,784) (16,949,735) (16,9				251,867,424		266,215,375		318,727,000		
Change during period (484,462) (2,601,784) (16,949,735) (69,461,360)		249,265,640				249,265,640		249,265,640		
Tuck Trigg Reservoir Operations Native Gas S,198,688 S,204,461 S,890,000 S,773 S,890,000 S,220,000 S,773 S,220,000		(484,462)		(2,601,784)		(16,949,735)		(69,461,360)		
Tuck Trigg Reservoir Operations Native Gas S,198,688 S,204,461 S,890,000 S,773 S,890,000 S,220,000 S,773 S,220,000		0.40.4		204.0		225.2		0444		
Native Gas				661.0		685.0		814.1		
Total in place, beg. of period 5,198,688 4,524,461 5,200,000 5,220,0000 7,733 6,220,0000 7,733 6,220,0000 7,733 6,220,0000 7,733 7,938,688 7,198,6		ations								
Recoverable in place, beg. of period 4,528,688 4,534,461 5,773 691,312 Total in place, end of month 5,198,688 5,198,688 4,528,688 5,198,688 5,198,688 Ave. reservoir pressure, beg. of period 483.7 484.2 548.0 Natural Gas Sales - Booster Compressor Operations Totals Month FYTD Spot gas fuel price \$ per/MMBTU \$5.60 \$5.13 \$4.05 Field compressor fuel revenue \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$						1				
Production during period to date 0 5,773 5,198,688 5,198,688 6,198,688 6,198,688 6,5198,688 6,52										
Total in place, end of month S,198,688 A,528,688 A,528,588,68 A,528,688 A,528,688 A,528,688 A,528,688 A,528,										
A A A A A A A A A A		_		*				=		
Ave. reservoir pressure, beg. of period 483.7 484.2 548.0										
Natural Gas Sales - Booster Compressor Operations Totals	Recoverable in place, end of month	4,528,688	1	4,528,688				4,528,688		
Field/HEU Compressor Operations	Ave. reservoir pressure, beg. of period	483.7		484.2				548.0		
Field/HEU Compressor Operations	Natural Gas Sales - Booste	er Compre	ssor Ope	rations	•		To	tals	0	
Fuel used total MMBTU 6,610 37,614 97,386 Field compressor fuel revenue \$dollars \$13,819 \$130,324 \$331,749 \$15,184		-	•				Month	FYTD	Cumulative	
Fuel used total MMBTU 6,610 37,614 97,386 Field compressor fuel revenue \$dollars \$13,819 \$130,324 \$331,749 \$15,184	Spot gas fuel price					\$ per/MMBTU	\$5.60	\$5.13	\$4.05	
Field compressor fuel revenue HEU compressor fuel credit #1 Compressor run time #2 Compressor run time #3 Compressor run time #3 Compressor run time #4 Compressor run time #5 Compressor run time #6 Compressor run time #7 Compressor run time #6 Compressor run time #7 Compressor run time #7 Compressor run time #7 Compressor Charges #7 Compressor Charges #7 Contract no. 1995-3249 #7 Praxair, Inc., Contract no. 1995-3251 #7 Products, L.P., Contract no. 1995-3256 #7 Keyes Helium Co., Contract no. 1995-3287 #7 SubTotal - Cliffside Refiners, LP #7 (provides booster compression services) #7 Ciffside Refiners, LP, GDA010003 #7 (\$69,452) (\$837,858) (\$2,515,609) #7 (\$55,372) #7 (\$55,372) #7 (\$55,372) #7 (\$55,372) #7 (\$55,372) #7 (\$55,372)						-			97,386	
### HEU compressor fuel credit \$dollars \$6,949 \$15,184 \$15,184 #1 5,184 #1 Compressor run time hours 0 1891 12,840 #2 Compressor run time hours 366 2597 4,846 #3 Compressor run time hours 307 1342 2,550 #4 Field Compressor Charges #4 Compress							-			
#1 Compressor run time hours	HEU compressor fuel credit					· ·				
#2 Compressor run time hours 366 2597 4,846 #3 Compressor run time hours 307 1342 2,550 Field Compressor Charges Field Compressor Charges BOC Gases, Contract no. 1995-3249	•					· ·				
#3 Compressor run time hours 307 1342 2,550 Field Compressor Charges BOC Gases, Contract no. 1995-3249 Praxair, Inc., Contract no. 1995-3251 Air Products, L.P., Contract no. 1995-3256 Keyes Helium Co., Contract no. 1995-3287 SubTotal - Cliffside Refiners, LP (provides booster compression services) Cliffside Refiners, LP, GDA010003 (BLM provided fuel, labor, supplies, etc.) Net Total - Cliffside Refiners, LP \$2,550 Charges Billed (\$)* Charges Billed (\$)* (\$69,452) (\$837,858) (\$2,515,609) \$25,156 \$183,940 \$555,372 **Net Total - Cliffside Refiners, LP \$25,156 \$183,940 \$555,372	· ·						_		-	
Field Compressor Charges Charges Billed (\$)* BOC Gases, Contract no. 1995-3249 Charges Billed (\$)* Praxair, Inc., Contract no. 1995-3251 Charges Billed (\$)* Air Products, L.P., Contract no. 1995-3256 Charges Billed (\$)* Keyes Helium Co., Contract no. 1995-3287 Charges Billed (\$)* SubTotal - Cliffside Refiners, LP (provides booster compression services) (\$69,452) (\$837,858) (\$2,515,609) Cliffside Refiners, LP, GDA010003 (BLM provided fuel, labor, supplies, etc.) \$25,156 \$183,940 \$555,372 Net Total - Cliffside Refiners, LP \$25,156 \$183,940 \$555,372	#3 Compressor run time									
Praxair, Inc., Contract no. 1995-3251 Image: Contract no. 1995-3251 Air Products, L.P., Contract no. 1995-3256 Image: Contract no. 1995-3287 SubTotal - Cliffside Refiners, LP (provides booster compression services) (\$69,452) (\$837,858) (\$2,515,609) Cliffside Refiners, LP, GDA010003 (BLM provided fuel, labor, supplies, etc.) \$25,156 \$183,940 \$555,372 Net Total - Cliffside Refiners, LP \$25,156 \$183,940 \$555,372							Ch	arges Billed	(\$)*	
Air Products, L.P., Contract no. 1995-3256 Keyes Helium Co., Contract no. 1995-3287 (\$69,452) (\$837,858) (\$2,515,609) SubTotal - Cliffside Refiners, LP, GDA010003 (BLM provided fuel, labor, supplies, etc.) \$25,156 \$183,940 \$555,372 Net Total - Cliffside Refiners, LP \$25,156 \$183,940 \$555,372	BOC Gases, Contract no. 1995-3249									
Keyes Helium Co., Contract no. 1995-3287 (\$69,452) (\$837,858) (\$2,515,609) SubTotal - Cliffside Refiners, LP, GDA010003 (BLM provided fuel, labor, supplies, etc.) \$25,156 \$183,940 \$555,372 Net Total - Cliffside Refiners, LP \$25,156 \$183,940 \$555,372	Praxair, Inc., Contract no. 1995-3251									
SubTotal - Cliffside Refiners, LP (provides booster compression services) (\$69,452) (\$837,858) (\$2,515,609) Cliffside Refiners, LP, GDA010003 (BLM provided fuel, labor, supplies, etc.) \$25,156 \$183,940 \$555,372 Net Total - Cliffside Refiners, LP \$25,156 \$183,940 \$555,372	Air Products, L.P., Contract no. 1995-	3256								
SubTotal - Cliffside Refiners, LP (provides booster compression services) (\$69,452) (\$837,858) (\$2,515,609) Cliffside Refiners, LP, GDA010003 (BLM provided fuel, labor, supplies, etc.) \$25,156 \$183,940 \$555,372 Net Total - Cliffside Refiners, LP \$25,156 \$183,940 \$555,372	Keyes Helium Co., Contract no. 1995-									
Cliffside Refiners, LP, GDA010003 (BLM provided fuel, labor, supplies, etc.) \$25,156 \$183,940 \$555,372 Net Total - Cliffside Refiners, LP \$25,156 \$183,940 \$555,372			(provides boo	ster compression	n services)		(\$69,452)	(\$837,858)	(\$2,515,609)	
Net Total - Cliffside Refiners, LP \$25,156 \$183,940 \$555,372				•	,					
		•	·		,				\$555,372	
							*R	Counded to n	earest dollar	

Table 6 - Helium Enrichment Unit Operations

All Volumes in Mcf at 14.65 psia & 60°F

	Month			FYTD			Cumulative		
	Helium-Gas	Helium		Helium-Gas	Helium		Helium-Gas	Helium	
	Mixture	Percent	Helium	Mixture	Percent	Helium	Mixture	Percent	Helium
Gas Processed									
Plant feed	358,732	13.9%	49,823	1,258,608	10.5%	131,654	1,258,608	10.5%	131,654
Helium product	60,785	75.9%	46,121	140,446	76.4%	107,288	140,446	76.4%	107,288
Residue natural gas	211,221	0.0%	0	711,174	0.0%	0	711,174	0.0%	0
Vent, flare & plant losses	113,171	3.3%	3,702	648,611	3.8%	24,366	648,611	3.8%	24,366
Helium recovery efficiency			92.6%			81.5%			81.5%

	Month			FYTD			Cumulative		
	Gallons/Mcf	KWh	Runtime	Gallons/Mcf	KWh	Runtime	Gallons/Mcf	KWh	Runtime
Natural gas liquids	0			0			0		
Utility Usage									
K100 compressor		739,173	580		2,383,352	1,849		2,383,352	1,849
K600 compressor		1,065,293	504		3,231,990	1,457		3,231,990	1,457
K610 compressor			398			1,053			1,053
Other electrical usage		180,268	720		1,576,810	2,632		1,576,810	2,632
Fuel gas	3,559			11,335			11,335		
Water	2,140			7,210			7,210		

HEU Runtime & Charges		Month		FYTD		Cumulative	
Enrichment Unit Runtime	Runtime	Percent	Runtime	Percent	Runtime	Percent	
Processing feed gas	580	80.6%	1,849	70.3%	1,849	70.3%	
Producing helium product	398	55.3%	1,053	40.0%	1,053	40.0%	
Producing residue gas	504	70.0%	1,457	55.4%	1,457	55.4%	

Enrichment Unit Charges		Charges Billed (\$)*							
Reservior Management Fees (RMF)		\$84,398	;	\$336,420		\$336,420			
Total operating costs		(\$880,113)	(\$1	,877,009)		(\$1,877,009)			
Labor	\$26,695		\$80,085		\$80,085				
Compressor fuel	\$1,657		\$1,657		\$1,657				
HEU fuel	\$11,050		\$11,050		\$11,050				
Electric power	\$23,080		\$32,498		\$32,498				
Flare, vent & plant losses	\$350,587		\$350,587		\$350,587				
Other	\$17,250		\$51,750		\$51,750				
Sub Total - Items provided by BLM		\$430,319		\$527,627		\$527,627			
Total - Cliffside Refiners, LP, GDA030001		(\$449,794)	(\$1	,349,382)		(\$1,349,382)			

*Rounded to nearest dollar